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APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
09/468,639 12/22/1999		TOYOSHI KAWADA	1081.1084/JD	3873		
21171	7590 04/11/2006	04/11/2006		EXAMINER		
STAAS & H.	ALSEY LLP	LIANG, REGINA				
SUITE 700 1201 NEW YO	ORK AVENUE, N.W.	ART UNIT	PAPER NUMBER			
	ON, DC 20005	2629				

DATE MAILED: 04/11/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

•			Application	ı No.	Applicant(s)				
Office Action Summary		09/468,639)	KAWADA ET AL.					
		Examiner		Art Unit					
			Regina Lia	ng	2674	ı			
Period fo	The MAILING DATE of this communic or Reply	ation app	ears on the d	cover sheet with the co	orrespondence ad	dress			
THE I - External after - If the If NO - Failurian Any I	ORTENED STATUTORY PERIOD FO MAILING DATE OF THIS COMMUNIC nsions of time may be available under the provisions of SIX (6) MONTHS from the mailing date of this commus period for reply specified above is less than thirty (30) of period for reply is specified above, the maximum state to reply within the set or extended period for reply were to reply within the set or extended period for reply were ply received by the Office later than three months after patent term adjustment. See 37 CFR 1.704(b).	CATION. f 37 CFR 1.13 inication. days, a reply utory period wi rill, by statute,	6(a). In no even within the statute ill apply and will o cause the applic	t, however, may a reply be tim ory minimum of thirty (30) days expire SIX (6) MONTHS from t ation to become ABANDONED	ely filed s will be considered timel the mailing date of this co O (35 U.S.C. § 133).				
1)[🖂	Responsive to communication(s) filed on <u>02 September 2003</u> .								
2a)□	This action is FINAL . 2b)⊠ This action is non-final.								
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Dispositi	ion of Claims								
5)□ 6)⊠ 7)□	4) ☐ Claim(s) 1,3-14,16-24,26 and 27 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1, 3-14, 16-24, 26, 27 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or election requirement.								
Applicati	ion Papers								
10)	The specification is objected to by the The drawing(s) filed on is/are: Applicant may not request that any object Replacement drawing sheet(s) including the oath or declaration is objected to	a)⊡ acce ion to the d he correction	epted or b) Irawing(s) be on is required	held in abeyance. See I if the drawing(s) is obje	37 CFR 1.85(a). ected to. See 37 CF				
Priority under 35 U.S.C. §§ 119 and 120									
12)	Acknowledgment is made of a claim for All b) Some * c) None of: 1. Certified copies of the priority of 2. Certified copies of the priority of 3. Copies of the certified copies of application from the Internation of the attached detailed Office action acknowledgment is made of a claim for ince a specific reference was included 7 CFR 1.78. 1) The translation of the foreign language of the complete the com	ocuments focuments f the priori al Bureau for a list or domestic in the first guage prov	have been have been ty documen (PCT Rule of the certific priority und t sentence covisional apples priority und	received. received in Application tts have been received 17.2(a)). ed copies not received for 35 U.S.C. § 119(e) of the specification or lication has been received for 35 U.S.C. §§ 120	on No d in this National d. (to a provisional in an Application eived. and/or 121 since	l application) Data Sheet. a specific			
Attachment	t(s) e of References Cited (PTO-892)			s) 🔲 Into-dam Colored	(DTO 442) D == N /	-)			
2) Notic 3) Inform	e of References Cited (P10-892) e of Draftsperson's Patent Drawing Review (PT nation Disclosure Statement(s) (PTO-1449) Par -10-05 , 12-6-04, 10-1-04		5	i) lnterview Summary () Notice of Informal Pa) Other:					

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DETAILED ACTION

1. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claim Rejections - 35 USC 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.
- 3. Claims 1, 3-14, 16-24, 26 are rejected under 35 U.S.C. 102(b) as being anticipated by Andoh et al (US. PAT. NO. 4,044,349 hereinafter Andoh).

Figs. 1, 2 of Andoh discloses a plasma display panel device having first and second electrodes (X and Y electrodes) provided apart from one another and a ground power source, and performing display by generating a discharge between the first and second electrodes, the plasma display panel device comprising a drive circuit (driver 112) applying a drive voltage pulse between the first and second electrodes, the drive circuit connects the first and second electrodes to power sources that are different from the ground power source so as to apply a first drive voltage between the first and second electrodes and when completing the drive voltage pulse, the drive circuit connects the first and second electrodes to power sources that are different from the ground power source so as to apply a second drive voltage between the first and electrodes (see Fig. 4 and col. 5, line 53 to col. 6, line 46). Andoh also discloses the drive circuit that changes the first and second electrodes from a state of being connected to a first or/and second power

sources different from the ground power source to a state of being connected to a second or/and third or/and fourth power sources different from the ground power source so as to apply a drive voltage between the first and second electrodes when a drive voltage pulse is to be applied between the first and second electrodes. Fig. 4 of Andoh shows the drive voltage pulse having a front edge and a back edge, therefore, Andoh teaches the limitation as claimed.

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4. Claims 1, 3-14, 16-24, 26 are rejected under 35 U.S.C. 102(b) as being anticipated by Sakuma (US. PAT. NO. 4,384,287).

Sakuma discloses a plasma display panel device having first and second electrodes (301, 302) provided apart from one another and a ground power source, and performing display by generating a discharge between the first and second electrodes, the plasma display panel device comprising a drive circuit (Fig. 6) applying a drive voltage pulse between the first and second electrodes, the drive circuit connects the first and second electrodes to power sources that are different from the ground power source so as to apply a first drive voltage between the first and second electrodes and when completing the drive voltage pulse, the drive circuit connects the first and second electrodes to power sources that are different from the ground power source so as to apply a second drive voltage between the first and electrodes (see Figs. 6-12 and col. 5, lines 14-45, col. 7, line 11 to col. 8, line 20). Sakuma also discloses the drive circuit that changes the first and second electrodes from a state of being connected to a first or/and second power sources different from the ground power source to a state of being connected to a second or/and third or/and fourth power sources different from the ground power source so as to apply a drive voltage between the first and second electrodes when a drive voltage pulse is to be applied

between the first and second electrodes. Figs. 7, 10, 12 of Sakuma show the drive voltage pulse having a front edge and a back edge, therefore, Sakuma teaches the limitation as claimed.

5. Claim 27 is rejected under 35 U.S.C. 102(a) as being anticipated by the admitted prior art (Figs. 24A. 24B, and page 2, line 9 to page 4, line 20 of the specification).

The admitted prior art teaches a plasma display panel device having first (X), second (Y) and third (A) electrodes, comprising a drive circuit that when a drive voltage pulse is to be applied between the first and second electrodes, applies the drive voltage pulse between the first and second electrodes, while maintaining the third electrode at a voltage potential of the ground power source, the voltage potential of the ground power source being between voltage potentials of the first electrode and the second electrode (Figs. 24A, 24B of admitted prior art show the GND potential is between +Vs and -Vs).

Response to Arguments

6. Applicant's arguments filed 9/2/03 have been fully considered but they are not persuasive.

Applicant's remarks are not persuasive, as the newly added limitation does not change the scope of the claims at all, noted the rejection above.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Regina Liang whose telephone number is (571) 272-7693. The examiner can normally be reached on Monday-Friday from 8AM to 5:00PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Hjerpe, can be reached on (571) 272-7691. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Regina Liang
Primary Examiner
Art Unit 2674

3/31/06